

Notice of Allowability

Application No.

10/055,641

Examiner

Phuoc H. Nguyen

Applicant(s)

TRAVERSAT ET AL.

Art Unit

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an Appeal Brief filed on July 27, 2006 and Interviewed on November 29, 2006.
2. ☒ The allowed claim(s) is/are 1-203.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____.
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert C. Kowert (Reg. No. 39,255) on November 29, 2006.

Listing of the Claims:

Please amend claims 48, 66, 68, 147, 153, 194, 199, 200 as follows:

48. (Currently amended) A rendezvous node, comprising:

a processor;

a port operable to couple the peer node to a network; and

a memory operable to store program instructions, wherein the program instructions are executable by the processor to:

communicate with one or more peer nodes on a peer-to-peer network; [[and]]

cache one or more resource advertisements for network resources, wherein each of said resource advertisements comprises an indication of how to access the corresponding network resource, wherein said resource advertisements are discoverable by said one or more peer nodes; and receive one or more discovery queries for discovering said network resources, wherein the one or more discovery queries are formatted in accordance with a discovery protocol.

66. (Currently amended) The rendezvous node as recited in claim 48, wherein the program instructions are further executable to ~~discovery~~ discover routes to network resources and communicate said routes to one or more peer nodes on the peer-to-peer network.

68. (Currently amended) The rendezvous node as recited in claim 48, wherein the program instructions are further operable to:

~~receive one or more discovery queries for discovering said network resources,
wherein the discovery queries are formatted in accordance with a discovery
protocol;~~

determine if a resource advertisement satisfying a particular one of the one or more
discovery queries is cached on the particular rendezvous node; and
if the resource advertisement satisfying the particular discovery query is cached on the
particular rendezvous node, provide the resource advertisement to a peer node that
broadcast the particular discovery query.

147. (Currently amended) A method, comprising:

a rendezvous node communicating with one or more peer nodes on a peer-to-peer
network;[[, and]]

[[a]] the rendezvous node caching one or more resource advertisements for network
resources, wherein each of said resource advertisements comprises an indication
of how to access the corresponding network resource; [[and]]

the rendezvous node receiving one or more discovery queries for discovering said

network resources, wherein the one or more discovery queries are formatted in accordance with a discovery protocol; and one or more peer nodes discovering said resource advertisements.

153. (Currently amended) The method as recited in claim 147, further comprising:

~~the rendezvous node receiving one or more discovery queries for discovering said network resources, wherein the discovery queries are formatted in accordance with a discovery protocol;~~

the rendezvous node determining if a resource advertisement satisfying a particular one of the one or more discovery queries is cached on the particular rendezvous node; and

the rendezvous node, providing the resource advertisement to a peer node that broadcast the particular discovery query if the resource advertisement satisfying the particular discovery query is cached on the particular rendezvous node.

194. (Currently amended) A tangible, computer-accessible storage medium comprising program instructions, wherein the program instructions are computer-executable to implement:

a rendezvous node communicating with one or more peer nodes on a peer-to-peer network;[[, and]]

[[a]] the rendezvous node caching one or more resource advertisements for network resources, wherein each of said resource advertisements comprises an indication of how to access the corresponding network resource; [[and]]

the rendezvous node receiving one or more discovery queries for discovering said network resources, wherein the one or more discovery queries are formatted in accordance with a discovery protocol; and one or more peer nodes discovering said resource advertisements.

199. (Currently amended) The ~~Previously presented~~ tangible, computer-accessible medium as recited in claim 198, wherein, upon joining the peer group, the rendezvous node is not accessible by peer nodes not in the peer group.

200. (Currently amended) The tangible, computer-accessible medium as recited in claim 194, wherein the program instructions are further executable to implement:

~~the rendezvous node receiving one or more discovery queries for discovering said network resources, wherein the discovery queries are formatted in accordance with a discovery protocol;~~

the rendezvous node determining if a resource advertisement satisfying a particular one of the one or more discovery queries is cached on the particular rendezvous node; and

the rendezvous node, providing the resource advertisement to a peer node that broadcast the particular discovery query if the resource advertisement satisfying the particular discovery query is cached on the particular rendezvous node.

Examiner's Statement of Reasons for Allowance

2. This office action is in response to an Appeal Brief filed on July 27, 2006 and Interviewed on November 29, 2006.

3. Applicant amended claims 48, 66, 68, 147, 153, 194, 199, and 200.

4. Claims 1-203 are allowed

5. Claims include limitations that the prior art of record does not appear to teach or render obvious the claimed limitations as recited below.

6. The following is a statement of reasons for the indication of allowable subject matter:

The present invention is directed a system and method for a peer-to-peer network. The independent claims 1, 48, 109, 147, 160, and 194 identify an uniquely distinct feature "one or more rendezvous nodes, wherein each rendezvous node is operable to cache one or more resource advertisements for discovery by the peer nodes on the peer-to-peer network, wherein each resource advertisement comprises an indication of how to access a corresponding network resource, wherein the one or more peer-to-peer platform protocols include a discovery protocol, wherein, said one or more resource advertisements are formatted in accordance with the peer-to-peer platform discovery protocol" and in combination with other limitations as set forth in the independent claims. Claims 2-47, 49-108, 110-146, 148-159, 161-193, and 195-203 are allowed due to dependent claims.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuoc H. Nguyen whose telephone number is 571-272-3919.

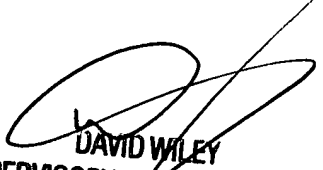
The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Phuoc H Nguyen
Examiner
Art Unit 2143

December 7, 2006


DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100